




IFW

PATENT

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date set forth below as First Class Mail in an envelope addressed to:
Commissioner For Patents, P.O. Box 1450, Alexandria VA 22313-1450

Date of Signature and Deposit: January 25, 2005


Zhibin Ren, Attorney of Record

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Marcin S. Filutowicz
Serial No.: 10/828,679
Filed: April 21, 2004
For: DISPLACING A PLASMID IN A BACTERIAL POPULATION
Art Unit: 1645
Docket No.: 960296.98725

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

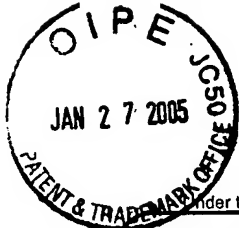
Enclosed is a completed Information Disclosure Statement by Applicant listing documents that the applicant in the above-identified application wishes to bring to the attention of the Examiner for consideration in connection with the examination on the merits of this application.

No fee is believed due in connection with this submission. However, if a fee is due, please charge the fee to Deposit Account No. 17-0055.

Respectfully submitted,



Zhibin Ren
Reg. No. 47,897
Attorney for Applicants
QUARLES & BRADY LLP
411 East Wisconsin Ave.
Milwaukee, WI 53202
TEL 414-277-5633
FAX 414-277-3552



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/828,679
Filing Date	04/21/2004
First Named Inventor	Marcin S. Filutowicz
Art Unit	1645
Examiner Name	
Attorney Docket Number	960296.98725

Sheet 1 of 2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US- 4,806,471	02-21-1989	Molin et al.	
	2	US- 5,024,938	06-18-1991	Nozaki et al.	
	3	US- 5,346,818	09-13-1994	Schafer et al.	
	4	US- 5,547,864	08-20-1996	Kawasaki et al.	
	5	US- 5,583,040	12-10-1996	Kaji	
	6	US- 5,670,370	09-23-1997	Molin et al.	
	7	US- 5,853,718	12-29-1998	Molin et al.	
	8	US- 5,882, 888	03-16-1999	Jorgensen	
	9	US- 5,976,864	11-02-1999	Smit et al.	
	10	US- 6,066,473	05-23-2000	Tangney et al.	
	11	US- 6,448,082	09-10-2002	Prevots, et al.	
	12	US- 2002/0006665	01-17-2002	D'Elia et al.	
	13	US- 2002/0119573	08-29-2002	Shaw et al.	
	14	US- 2003/0073224	04-17-2003	D'Elia et al.	
	15	US- 2003/0077830	04-24-2003	D'Elia et al.	
	16	US- 2003/0087440	05-08-2003	D'Elia et al.	
	17	US- 2003/0092143	05-15-2003	Rabenhorst et al.	
	18	US- 2003/0105008	06-05-2003	Dutta et al.	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/828,679
		Filing Date	04/21/2004
		First Named Inventor	Marcin S. Filutowicz
		Art Unit	1645
Examiner Name			
Sheet 2	of 2	Attorney Docket Number	960296.98725

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	19	URAJI, et al., "A Novel Plasmid curing method using incompatibility of plant pathogenic Ti plasmids in Agrobacterium tumefaciens," Genes Genet. Syst. (2002) 77, p. 1-9.	
	20	HAGEGE, et al., "Regulation of transfer functions by the imp locus of the Streptomyces coelicolor plasmidogenic element SLP1," Journal of Bacteriology, 199, 181: 19, 5976-83.	
	21	MOORE, et al., "Genome organization of the Pseudomonas aeruginosa narrow host range plasmid R91-5 determined by deletion and cloning analysis," Genetical Research	
		1985, 45:2, 195-198.	
	22	HENRY, et al., "A facile and reversible method to decrease the copy number of the ColEI-related cloning vectors commonly used in Escherichia coli," Journal of	
		Bacteriology 1989, 171:10, 5254-61.	
	23	FILUTOWICZ, et al., "DNA and protein interactions in the regulation of plasmid replication," J. Cell Sci. Suppl. 7, 15-31 (1987).	
	24	NOVICK, "Plasmid incompatibility," Microbiol. Rev. 1987 p. 381-395.	
	25	KIM, et al., "Copy number of the broad-host range plasmid R1162 is determined by the amounts of essential plasmid-encoded proteins," J. Mol. Biol., 185: 755-767, 1985.	
	26	HELINSKI, et al., "Replication control and other stable maintenance mechanisms of plasmids," p. 2295-2324 in NEIDHARDT et al., ed., "Escherichia Coli and Salmonella Cellular & Molecular Biology." 2d ed. v. 2. ASM Press. Washington DC.	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.